

## List of ebooks accessible online

### General ebooks, encyclopedias and courses

- Book chapters, lessons edited by the CERMAV on [Modeling](#), [Cellulose](#) and [Starch](#)
- [Chemistry: WebElements Periodic Table](#)
- [GLYCO3D](#) (A site on the glycosciences developed by the CERMAV)
- [X-ray data booklet \(The little orange book\)](#)
- [Dictionary of Physics](#)
- [Encyclopaedia Britannica](#)
- [Encyclopaedia Universalis](#)
- [GlycoPedia](#)
- [International Tables for Crystallography](#)
- [Le Grand Robert & Collins \(French/English English/French\)](#)
- [French Larousse encyclopaedia](#)
- [Scitable](#)
- [SFN courses on neutron scattering, in French](#)

### APress

- [Learn to Program with C](#)

### Elsevier books, series, handbooks and encyclopedias

- [Advances in Carbohydrate Chemistry and Biochemistry](#) (1995-2011)
- [Advances in Catalysis](#) (1995-2011)
- [Advances in Chemical Engineering](#) (1995-2011)
- [Advances in Heterocyclic Chemistry](#) (1995-2011)
- [Advances in High-Pressure Techniques for Geophysical Applications](#)
- [Advances in Imaging and Electron Physics](#) (1995-2011)
- [Advances in Inorganic Chemistry](#) (1995-2011)
- [Advances in Organometallic Chemistry](#) (1995-2011)
- [Advances in Physical Organic Chemistry](#) (1995-2011)
- [Advances in Planar Lipid Bilayers and Liposomes](#) (2005-2011)
- [Advances in Quantum Chemistry](#) (1995-2011)
- [The Alkaloids: Chemistry and Biology](#)
- [Annual Reports in Computational Chemistry](#)
- [Annual Reports in Medicinal Chemistry](#)
- [Annual Reports on NMR Spectroscopy](#)
- [Anticancer Drug Development](#)
- [Binary Digital Image Processing: A Discrete Approach](#)
- [The Bioarchaeology of Metabolic Bone Disease](#)
- [Biotechnology \(Second Edition\)](#)
- [The Bone and Mineral Manual \(Second Edition\)](#)
- [Bones and Cartilage. Developmental and Evolutionary Skeletal Biology](#)

- [Bones, Stones and Molecules. "Out of Africa" and Human Origins](#)
- [Brain Mapping: The Systems](#)
- [Carbon Nanotechnology](#)
- [Cell Biology \(Third Edition\)](#)
- [Chaos and fractals. A computer graphical journey](#)
- [Characterization techniques for perovskite solar cell materials](#)
- [Comprehensive Coordination Chemistry II](#)
- [Cracks and Fracture](#)
- [Designer Surfaces](#)
- [Digital Signal Processing and Applications \(Second Edition\)](#)
- [Direct synthesis of metal complexes](#)
- [Electricity, Magnetism, and Light](#)
- [Electronics and Communications for Scientists and Engineers](#)
- [Elementary Methods of Molecular Quantum Mechanics](#)
- [Elements of structures and defects of crystalline materials](#)
- [Emerging Technologies for Food Processing](#)
- [Encyclopedia of interfacial chemistry: Surface science and electrochemistry](#)
- [Encyclopedia of Spectroscopy and Spectrometry](#)
- [Encyclopedia of Vibration](#)
- [Environmental Monitoring and Characterization](#)
- [Fourier Transform Spectrometry](#)
- [Fundamentals of nanoparticles: Classifications, synthesis methods, properties and characterization](#)
- [Handbook of Ferromagnetic Materials](#)
- [Handbook of thin film deposition, 4. edition](#)
- [Handbook of Magnetic Materials](#)
- [Handbook on the Physics and Chemistry of Rare Earths](#)
- [Human Brain Function \(Second Edition\)](#)
- [The Immune Response. Basic and Clinical Principles](#)
- [Innovations in Food Packaging](#)
- [Interpreting Infrared, Raman, and Nuclear Magnetic Resonance Spectra](#)
- [Introductory Raman Spectroscopy \(Second Edition\)](#)
- [The Langevin and Generalised Langevin Approach to the Dynamics of Atomic, Polymeric and Colloidal Systems](#)
- [Light Scattering by Particles in Water. Theoretical and Experimental Foundations](#)
- [Magmas under pressure](#)
- [Mathematics for Chemistry & Physics](#)
- [Modified clay and zeolite nanocomposite materials](#)
- [Nanophotonics with Surface Plasmons](#)
- [Neutron Scattering from Magnetic Materials](#)
- [Nonlinear Optics \(Third Edition\)](#)
- [Nuclear safety, 2. edition](#)
- [Origins of Life on the Earth and in the Cosmos \(Second Edition\)](#)
- [Physical Chemistry \(Second Edition\)](#)
- [Physics of Life](#)
- [Polymer Colloids](#)
- [Practical Digital Signal Processing](#)
- [Practical Protein Crystallography \(Second Edition\)](#)
- [The Practice of Medicinal Chemistry \(Third edition\)](#)
- [Principles of Bone Biology \(Second Edition\)](#)

- [Principles of Bone Biology \(Third Edition\)](#)
- [Probability and Random Processes](#)
- [Profiles of Drug Substances, Excipients and Related Methodology](#)
- [Radiation Mechanics](#)
- [Radioactivity. Introduction and History](#)
- [Raman Microscopy](#)
- [The Rat Nervous System \(Third edition\)](#)
- [Scattering](#)
- [Scattering, Natural Surfaces, and Fractals](#)
- [Scientific Papers and Presentations \(Second Edition\)](#)
- [Stochastic Processes in Physics and Chemistry \(Third Edition\)](#)
- [Structured Light and Its Applications](#)
- [Superconductivity \(Second Edition\)](#)
- [Theory of Simple Liquids \(Third Edition\)](#)
- [Thermodynamics and Statistical Mechanics](#)
- [Thin Film Micro-Optics](#)
- [Three-Dimensional Electron Microscopy of Macromolecular Assemblies](#)
- [Treatise on Geochemistry](#)
- [Treatise on Geophysics](#)
- [Vital Forces](#)

**Geological Society – Special publications of the « Lyell collection »** ([complete list](#))

- [305 ebooks between 1965 and 2008](#)

**RSC e-books** ([complete list](#))

- [ebooks up to 2014](#)

**SPIE e-books**

- [all ebooks SPIE](#)

**Springer e-books (up to 2013, [complete list](#)) in:**

- [Chemistry and materials sciences](#)
- [Physics et astronomy](#)
- [Mathematics and statistics](#)
- [Engineering Sciences](#)

**And :**

- [Biological Small Angle Scattering: Techniques, Strategies and Tips](#)
- [Catalysis and the mechanism of methane conversion to chemicals](#)
- [Classical and quantum dynamics. From classical paths to path integrals, 6. Edition](#)
- [Composite materials: Applications in engineering, biomedicine and food science](#)
- [Computational methods for nanoscale applications](#)
- [Cryocoolers. Theory and applications](#)
- [Discoveries at the frontiers of science](#)
- [Electron and phonon spectrometrics](#)
- [Fe-based bulk metallic glasses : Understanding the influence of impurities on glass formation](#)
- [Functional nanomaterials. Advances in gas sensing technologies](#)
- [Hard X-ray photoelectron spectroscopy \(HAXPES\)](#)
- [Markov chain Monte Carlo methods in quantum field theories: A modern primer](#)
- [Mathematical physical chemistry. Practical and intuitive methodology](#)
- [Molecular dynamics simulations in statistical physics: Theory and applications](#)
- [Molecular modelling and synthesis of nanomaterials](#)
- [Nanoscale photonic imaging \(open access\)](#)
- [Nanoscale redox reaction at metal/oxide interface](#)
- [Nanostructured materials](#)
- [On the edge of magnetic fusion devices](#)
- [Particle Physics Reference Library. Volume 1: Theory and Experiments \(open access\)](#)
- [Particle Physics Reference Library. Volume 2: Detectors for Particles and Radiation \(open access\)](#)
- [Particle Physics Reference Library. Volume 3: Accelerators and Colliders \(open access\)](#)
- [Physics of fast processes in scintillators](#)
- [Quantum many-body physics. A perspective on strong correlations](#)
- [Revolution of perovskite. Synthesis, properties and applications](#)
- [Semiconductor nanophotonics. Materials, models, and devices](#)
- [Strongly correlated Fermi systems. A new state of matter](#)
- [Structure of multielectron atoms](#)
- [The biophysics of cell membranes : Biological consequences](#)
- [Theoretical chemistry for experimental chemists](#)
- [Theory and simulation in physics for materials applications](#)
- [Using mathematica for quantum mechanics. A student's manual](#)

## **Wiley e-books**

- [An introduction to synchrotron radiation. Techniques and applications, 2. Edition](#)
- [Catalyst engineering technology: Fundamentals and applications](#)
- [Diatoms: Fundamentals and applications](#)
- [Electron transfer - Mechanisms and applications](#)
- [Introduction to magnetic materials](#)
- [Introduction to quantum mechanics 1: Thermal radiation and experimental facts regarding the quantization of matter](#)

- [Microporous materials for separation membranes](#)
- [Molecular interactions - Concepts and methods](#)
- [Molecular-scale electronics - Concept, fabrication and applications](#)
- [Nuclear reactor physics and engineering](#)
- [Rechargeable batteries: History, progress, and applications](#)
- [Self-assembly - From surfactants to nanoparticles](#)
- [Structural biology in drug discovery: Methods, techniques, and practices](#)
- [Surfactant science and technology, 4. edition](#)
- [Sustainable metal extraction from waste streams](#)
- [TiO<sub>2</sub> nanoparticles: Applications in nanobiotechnology and nanomedicine](#)
- [Vacuum in particle accelerators: Modelling, design and operation of beam vacuum systems](#)
- [X-ray absorption and X-ray emission spectroscopy](#)